

Chemical Reactions Lab

Discussion: In this lab you will be doing double displacement reactions. With each combination of chemicals you will determine if a precipitate forms. A precipitate is an insoluble solid in water (refer to solubility rules if needed). If a precipitate forms, record the color of the precipitate on your data table. If no precipitate forms, put NR on your data table to indicate no reaction took place.

Procedure:

- 1) Place 3-5 drops of one of the chemicals in a test tube
- 2) Add 3-5 drops of a second chemical and mix using a stirring rod
- 3) Determine if a precipitate forms (you may need to hold the test tube over a sheet of white paper for a better look)
- 4) Clean the test tube after completion
- 5) Repeat steps 1-4 with a different combination until you have completed all possible combinations of the chemicals

Data Table:

[illegible]

Lab Write Up:

1) Write a balanced equation for 5 reactions that produced a precipitate

2) Write the ionic equation for each reaction from #1

3) Write the net ionic equation for each reaction from #2

